

Institute Pasteur (Tuberculist) (~~<http://genolist.pasteur.fr/Tuberculist/>~~), M. leprae BLAST searches at Institute Pasteur (Leproma) (~~<http://genolist.pasteur.fr/Leproma/>~~), M. Paratuberculosis BLASTN at Microbial Genome Project, University of Minnesota (~~<http://www.cbc.umn.edu/ResearchProjects/Ptb/>~~ and (~~<http://www.cbc.umn.edu/ResearchProjects/AGAC/MptbAMptbhome.html>~~), various BLAST searches at the National Center for Biotechnology Information-USA (~~<http://ncbi.nlm.nih.gov/BLAST/>~~) and various BLAST searches at GenomeNet(Bioinformatics Center-Institute for Chemical Research) (~~<http://blast.genome.ad.jp/>~~).

2-27-09
Please replace the Paragraph on page ¹⁸~~20~~ starting on line ²⁰~~1~~ with the following paragraph rewritten in amendment format:

The pharmaceutical compositions of this invention are used for the ~~treatmentment~~ treatment or prophylaxis of a mammal against challenge by *Mycobacterium tuberculosis* or *Mycobacterium bovis*. The pharmaceutical compositions of this invention are also used to treat patients having degenerative diseases, disorders or abnormal physical states such as cancer.